

1 External rechargeable batteries (trolley)

1.1 Replacing the external rechargeable batteries (trolley)

- 1 Disconnect the external battery connector (Fig. 1/1) from the rear panel of the power pack.

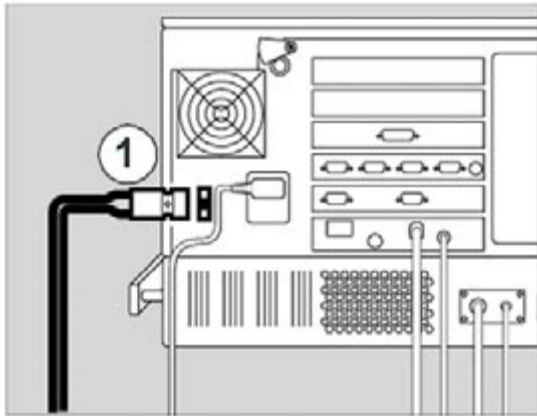


Fig. 1 Rear view of the power pack, external battery connector

- 2 Remove the cover mat (Fig. 2/1).

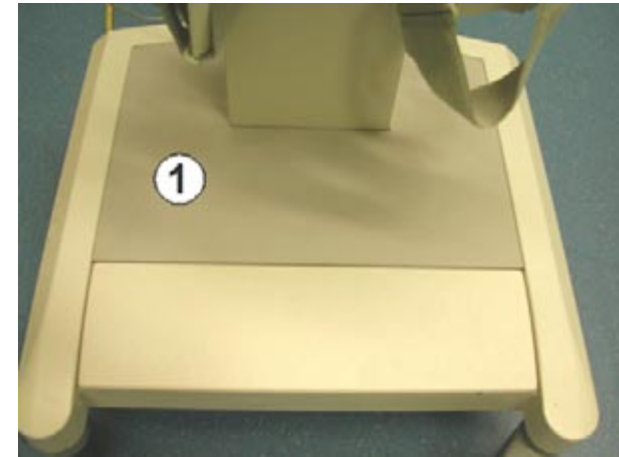


Fig. 2 Cover mat

- 3 Remove screws and washers (Fig. 3/1) from the battery cover.



Fig. 3 Battery cover

- 4 Remove both pads (Fig. 4/1) from the trolley and put them aside for later reassembly.

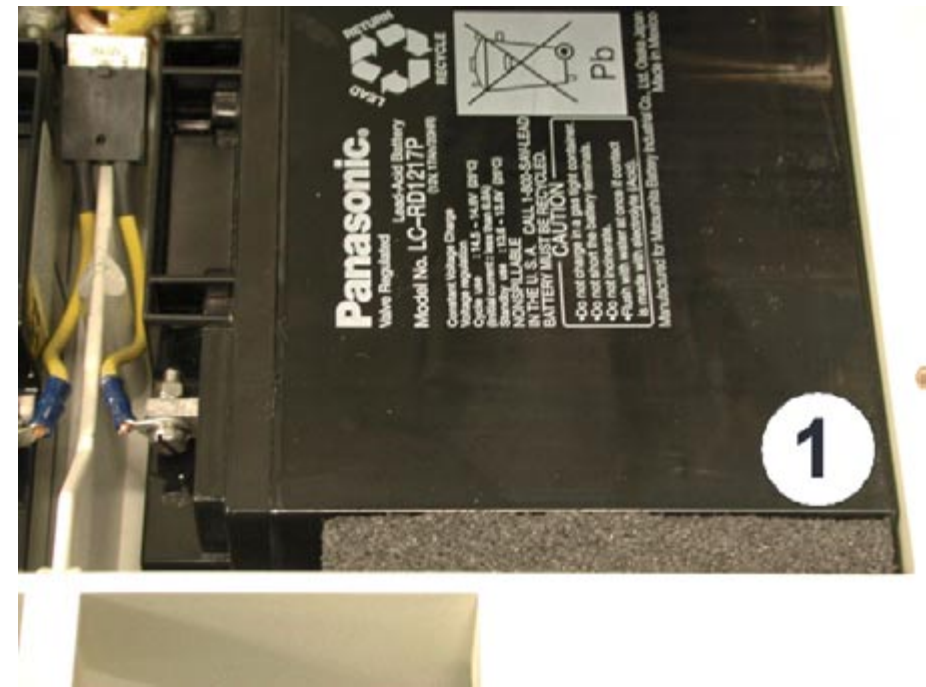


Fig. 4 Pad of the right-hand rechargeable battery

- 5 Remove nuts, washers, and screws (Fig. 5/1).

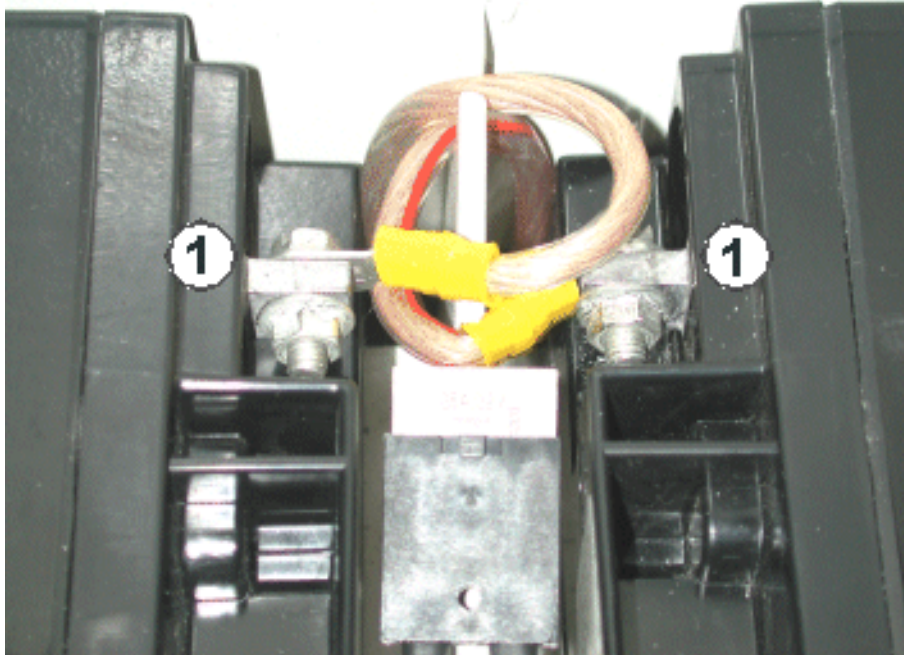


Fig. 5 Cable harness connections

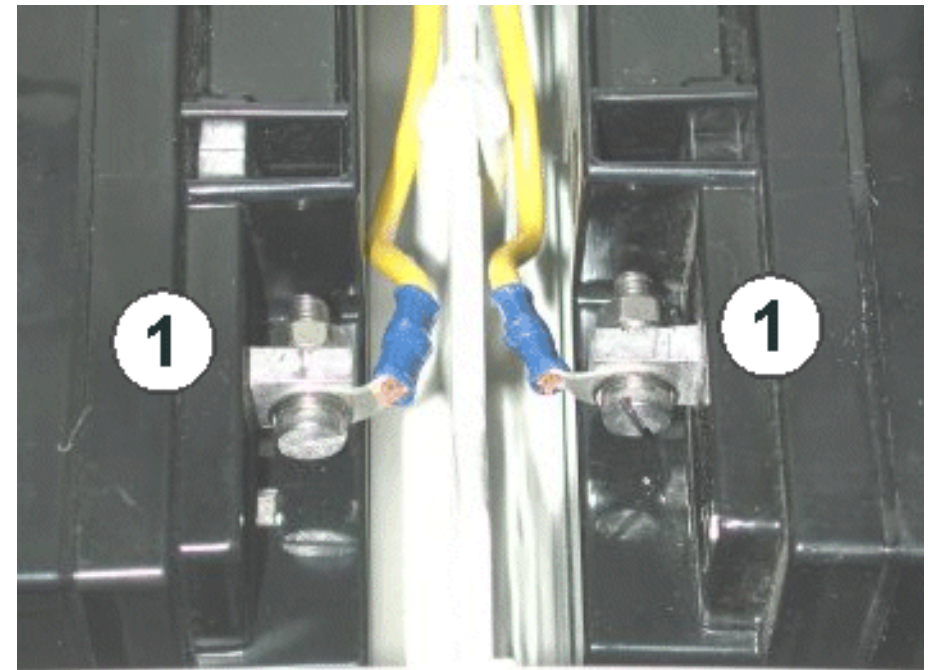


Fig. 6 Fuse carrier connections

- 6 Remove nuts, washers, split washers, and screws (Fig. 6/1).
- 7 Remove the fuse carrier and put it aside for later reassembly.



Spent, rechargeable batteries are special waste and must be disposed of in accordance with local waste disposal regulations.

- 8 Remove spent, rechargeable batteries and dispose of according to local waste disposal regulations.

- 9 Place the new rechargeable batteries into the trolley (sockets up), making sure the polarity is correct, see the following Figure.

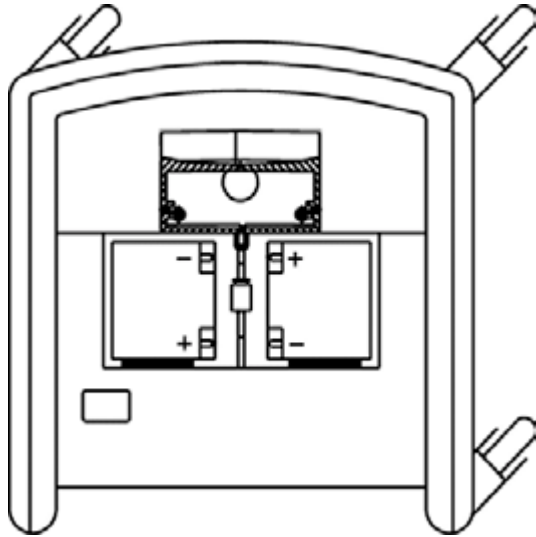


Fig. 7 Fitting position of the rechargeable batteries



The rechargeable batteries are connected in series. Short-circuiting the rechargeable batteries must be avoided! Therefore, make sure the polarity of the rechargeable batteries is correct (Note: The marked wire of the cable harness is the positive (plus) line)

- 10 Use the screws, washers and nuts (Fig. 8/1) to connect the cable harness to the connections of the rechargeable batteries (make sure the polarity is correct!).

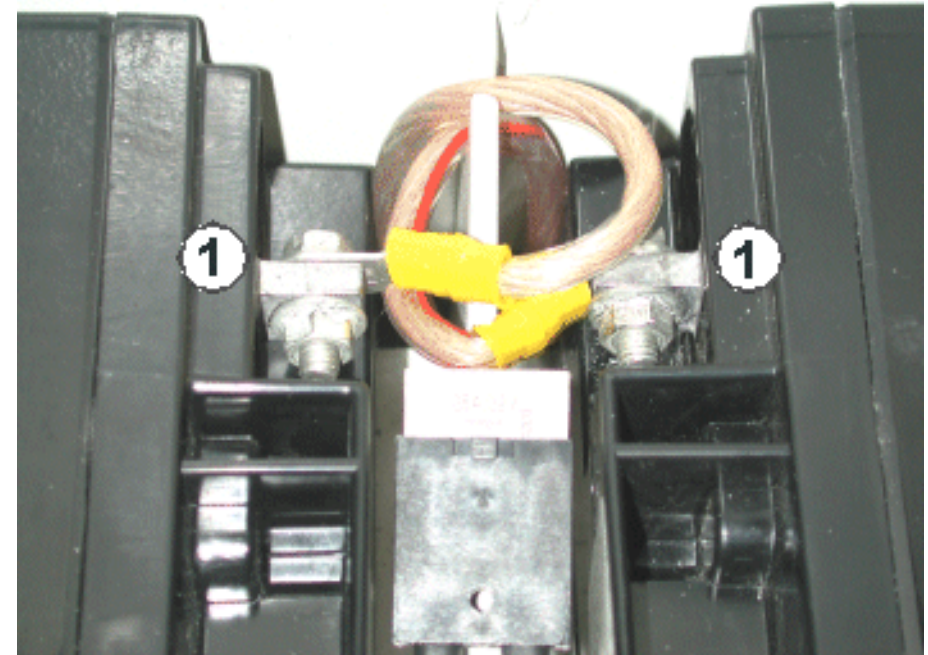


Fig. 8 Cable harness connections

- 11 Enter the fitting date of the new rechargeable batteries on the attached label.
- 12 Using the screws, washers, split washer, and nuts (Fig. 9/1) connect the cables of the fuse carriers to the connections of the rechargeable batteries.

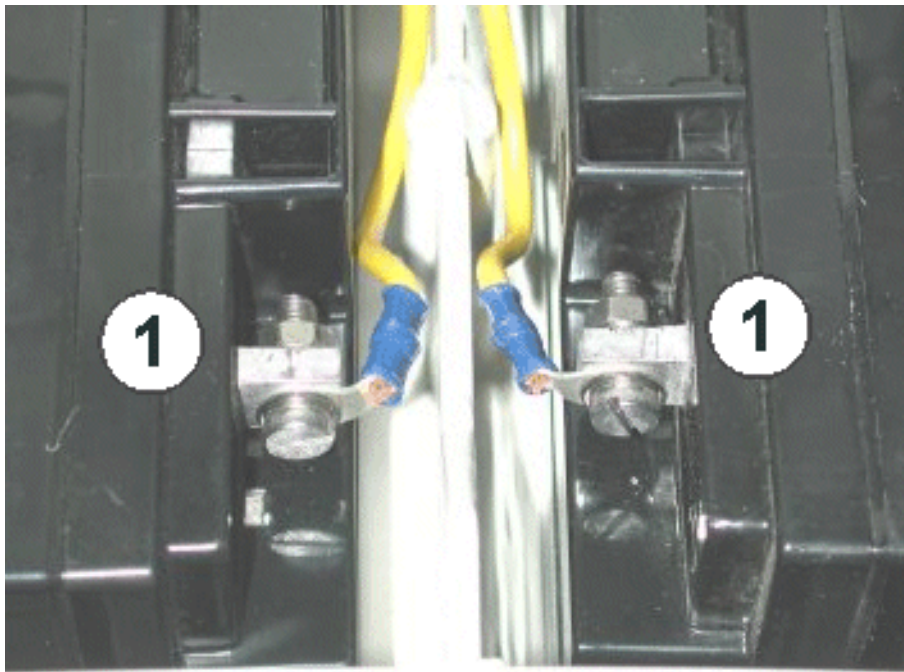


Fig. 9 Fuse carrier connections

- 13 Push the fuse carrier into the recess on the partition wall.
- 14 Use the pads (Fig. 10/1) to fix the left-hand and right-hand batteries in position.

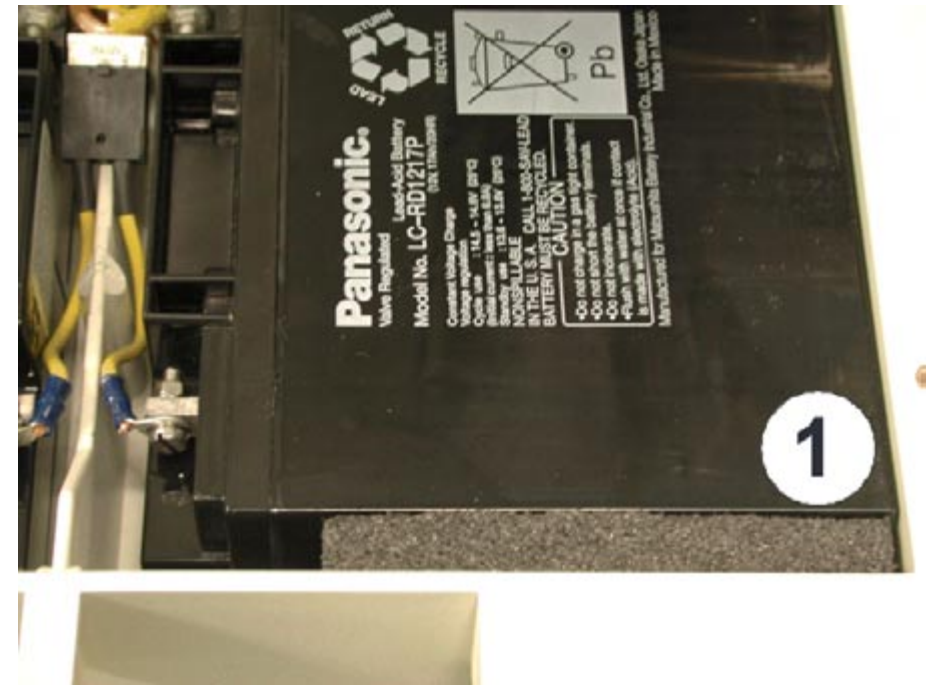


Fig. 10 Fitting position of the right-hand rechargeable battery pad

- 15 Secure the battery cover using screws and washers (Fig. 11/1).



Fig. 11 Battery cover

- 16 Place the cover mat (Fig. 12/1) onto the battery cover.

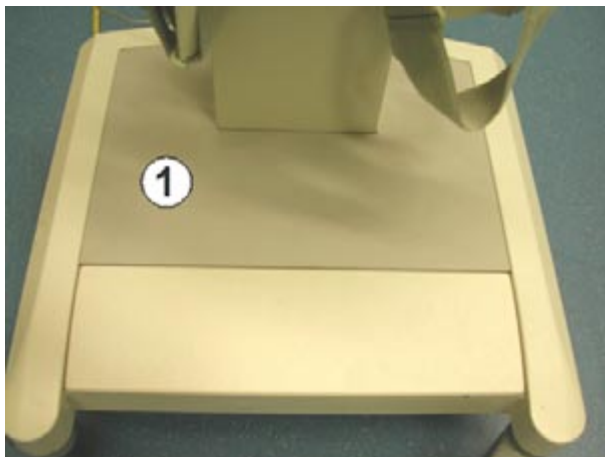


Fig. 12 Cover mat

- 17 Connect the external battery connector (Fig. 13/1) to the rear panel of the power pack.

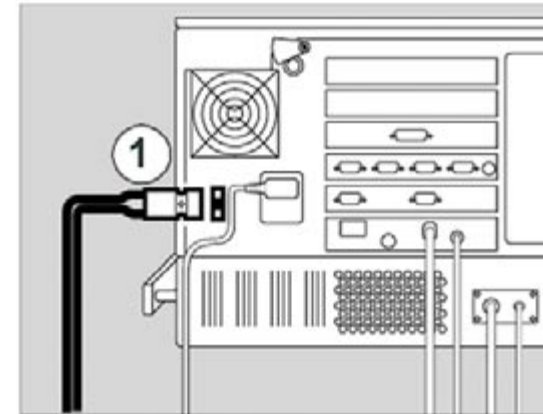


Fig. 13 Rear view of the power pack, external battery connector

- 18 Check the electrical safety and the correct functioning of the machine as described in the PMS procedure.
- 19 Switch the machine to operating mode or standby mode and allow the rechargeable batteries to charge for approx. four to five hours.